UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/766,448	01/27/2004	Udi Suissa	TI-34792	3215

23494   7590   04/27/2009
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EXAMINER
FOTAKIS, ARISTOCRATIS

ART UNIT	PAPER NUMBER
2611	

NOTIFICATION DATE	DELIVERY MODE
04/27/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspto@ti.com

PTOL-90A (Rev. 04/07)

	Application No.	Applicant(s)
Advisory Action **Before the Filing of an Appeal Brief**	10/766,448	SUISSA ET AL.
	Examiner	Art Unit	
	ARISTOCRATIS FOTAKIS	2611	

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED <u>17 April 2009</u> FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

   a) ☐ The period for reply expires _____months from the mailing date of the final rejection.

   b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

   Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will <u>not</u> be entered because

   (a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);

   (b) ☐ They raise the issue of new matter (see NOTE below);

   (c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or

   (d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

   NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. ☐ Applicant's reply has overcome the following rejection(s): _____.

6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. ☒ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☒ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

   The status of the claim(s) is (or will be) as follows:

   Claim(s) allowed: <u>10 - 20</u>.

   Claim(s) objected to: _____.

   Claim(s) rejected: <u>2 - 8</u>.

   Claim(s) withdrawn from consideration: _____.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will <u>not</u> be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will <u>not</u> be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: <u>See Continuation Sheet.</u>

12. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____

13. ☐ Other: _____.

/Chieh M Fan/
Supervisory Patent Examiner, Art Unit 2611

U.S. Patent and Trademark Office
PTOL-303 (Rev. 08-06)   **Advisory Action Before the Filing of an Appeal Brief**   Part of Paper No. 20090422

Continuation of 11. does NOT place the application in condition for allowance because:

Applicants submit that the limitation "receiving an input signal wherein frequency offsets have been translated to DC offsets" represents an actual physical signal, i.e., a "concrete thing" that can be physically measured. The above input signal is NOT a "mental process", "phenomena of nature" or "abstract intellectual concept". Applicants respectfully point out that in the step, limitation the "input signal" has direct current (DC) offsets. As such, the "input signal" is not and cannot be construed to be, nothing but "data", as determined by Examiner.

Examiner submits that whether the input signal is a DC offset, data or any other signal representation, any transformation or translation from one signal to another does not transform to a different state (i.e it still remains a signal which is a form of energy).

Secondly, the input signal wherein the frequency offsets have been translated to DC offsets occurs before the signal has been received and is not tied to the claim.

Third, the claims do not recite of transforming the frequency offsets to a dc offset. The input signal is already a **DC** offset.

Applicants submit that both the "input signal" and the "frequency compensated output signal" both have physical embodiments with the "frequency compensated output signal" being the result of the "transformation of underlying subject matter (e.g., the "input signal") to a different state or thing (e.g.. the "frequency compensated output signal"). Moreover, certainly a machine of some sort would be required to subtract direct current (DC) offsets from said input signal to yield a frequency compensated output signal.

Examiner submits that subtracting one signal from another signal is an abstract algorithm and does not comply with the requirement of 35 U.S.C. § 101. One skilled in the art could have performed the mathematical operation of subtraction by hand. A machine is not necessarily required to subtract one signal (direct current (DC) offsets) from another signal (said input signal to yield a frequency compensated output signal).

Examiner further submits that whether the input signal is a **DC** offset, data or any other signal representation, any transformation or translation from one signal to another does not transform to a different state (i.e it still remains a signal which is a form of energy).